



Aerial view northward along glaciated summits of South Sister, Middle Sister, and North Sister volcanoes. Snow and ice-filled South Sister crater (rim at 10,358 ft) was created between 30 and 22 ka, during most recent of several explosive summit eruptions; thin oxidized agglutinate that mantles current crater rim protects 150-m-thick pyroclastic sequence that helped fill much larger crater. Middle Sister (10,047 ft) is capped by thick stack of radially dipping, dark-gray, thin mafic lava flows; asymmetrically glaciated, its nearly intact west flank contrasts sharply with its steep east face. Blue lake (near far right edge) is impounded by sharp-crested Neoglacial moraine. North Sister (10,085 ft) is glacially ravaged stratocone that consists of hundreds of thin rubbly lava flows and intercalated falls that dip radially and steeply; remnants of two thick lava flows cap summit. Broad mafic shield beyond North Sister is Black Crater; distant peak on horizon is Mount Jefferson; and Mount Hood is in dim distance. *Photograph by John Scurlock, 2007.*

